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INTERNATIONAL PRELIMINARY EXAMINATION REPORT PCT

(PCT Article 36 and Rule 70)

		<u> </u>					
Applicants or agent's file reference X-16014			FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No. PCT/US 03/35969			International filing date (day)	nonth/year) Priority date (day/month/year) . 27.11.2002			
Internat C07D			both national classification and IF	PC			
Applica ELI LI		AND COMPANY		-			
1. T	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. T	2. This REPORT consists of a total of 4 sheets, including this cover sheet.						
Σ	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
Т	These annexes consist of a total of 4 sheets.						
3. T	his re	eport contains indications r	elating to the following items:				
ſ		☑ Basis of the opinion					
li	l [☐ Priority					
11	li D	Non-establishment of	opinion with regard to novelth	y, inventive step and industrial applicability			
18	v [Lack of unity of inven		,, otop and madothal applicability			
٧	V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
٧	/I [Certain documents ci	ted				
-		Certain defects in the	international application				
V	VIII Certain observations on the international application						
Date of submission of the demand				of completion of this report			
24.11.2003				11.2004			
Name a prelimin	nd ma ary ex	ulling address of the Internationamining authority:	nal Auth	orized Officer			
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/35969

ì	Bas	ie c	of t	the	rer	ort
	vas	10 (,,		·	,0,,

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

Description, Pages				·			
	1-12	20		as originally filed			
	Cla	ims, Numbers					
		2, 3 (part), 4, 5, 6 (part), 7 art), 8 (part)		as originally filed			
6 (p		part), 7 (part), 8 (part), 9-13		filed with telefax on 14.10.1994			
	3 (p	oart)		filed with telefax on 11.11.2004			
2.	With lang	With regard to the language , all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.					
	The	ese elements were av	ailable (or furnished to this Authority in the following language: , which is:			
		the language of a tra	ınslatioı	n furnished for the purposes of the international search (under Rule 23.1(b)).	ı		
		the language of publ	ication	of the international application (under Rule 48.3(b)).			
٠		the language of a tra Rule 55.2 and/or 55.5	ınslatioı 3).	n furnished for the purposes of international preliminary examination (under			
3.	With inte	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:					
		contained in the inte	rnationa	al application in written form.			
		filed together with the	e intern	ational application in computer readable form.			
		furnished subsequer	ntly to th	nis Authority in written form.			
		furnished subsequer	ntly to th	nis Authority in computer readable form.			
		The statement that the international a	he subs pplication	sequently furnished written sequence listing does not go beyond the disclosu on as filed has been furnished.	re		
		The statement that the listing has been furnitude.	he infor ished.	mation recorded in computer readable form is identical to the written sequen	се		
4.	The	amendments have re	esulted	in the cancellation of:			
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets	:			
5.		This report has been been considered to g	establi go beyo	shed as if (some of) the amendments had not been made, since they have and the disclosure as filed (Rule 70.2(c)).			
		(Any replacement sh report.)	neet cor	ntaining such amendments must be referred to under item 1 and annexed to	this		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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6. Additional observations, if necessary:

III.	Nor	n-establishment of opinion wi	ith reg	ard to nove	lty, inventive step and industrial applicability			
1.	 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of: 							
	□ ·	the entire international application,						
	\boxtimes	claims Nos. 11,13						
		because:						
the said international application, or the said claims Nos. 11,13 relate to the following subject does not require an international preliminary examination (specify):					ns Nos. 11,13 relate to the following subject matter which nination (specify):			
the description, claims or drawings (indicate particular elements below) or said claims Nos. are so und that no meaningful opinion could be formed (specify):								
		the claims, or said claims Nos. could be formed.	are s	o inadequate	ly supported by the description that no meaningful opinion			
		no international search report	has be	en establish	ed for the said claims Nos.			
2.	or a	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
		the written form has not been to	furnish	ed or does n	ot comply with the Standard.			
		the computer readable form ha	as not	been furnish	ed or does not comply with the Standard.			
٧.	Rea cita	easoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; itations and explanations supporting such statement						
1.	Stat	Statement						
	Nov	velty (N)	Yes: No:	Claims Claims	1-13			
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-13			
	Indi	ustrial applicability (IA)		Claims Claims	1-10,12			

2. Citations and explanations

see separate sheet

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

The present application relates to 2-(pyridin-2-yl)-5,6-dihydro-pyrrolo[1,2-1) b]pyrazole derivatives and ring extended analogues having TGF-beta signal transduction inhibiting activity.

The amendments concern the deletion of the term "prodrug" from claims 9-13 and the reformulation of claims 3 and 7 as dependent from claim 1.

2) Cited documents:

D1: WO 02/062794 A (GLAXO) 15 August 2002 (2002-08-15)

D2: WO 02/062787 A (GLAXO) 15 August 2002 (2002-08-15)

D3: WO 02/066462 A (GLAXO) 29 August 2002 (2002-08-29)

D4: WO 02/094833 A (ELI LILLY) 28 November 2002 (2002-11-28)

Document D4 was published after the priorities claimed for the present application. On the presumption that the priorities have been validly claimed, this document is herein not considered as prior art.

Novelty / Inventive step 3)

Documents D1-D3 relate to pyrazole derivatives having TGF-beta signal transduction inhibiting activity; these compounds lack the characteristic ring-fusion of the presently defined compounds.

It is further noted that document D4 describes related 2-(pyridin-2-yl)-5,6-dihydropyrrolo[1,2-b]pyrazole derivatives, which differ however in the definition of the heterocyclic substitution for R2.

The structural difference with the compounds of the closest relevant prior art (D1-D3) may be considered substantial, such that without any further suggestion in the available prior art the person skilled in the art would not consider the presently claimed subject-matter as an obvious solution to the problem of providing further agents that inhibit TGF-beta signal transduction.

Novelty and inventive step may therefore be acknowledged.

4) Further observations

Claims 11 and 13 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).